

polypeptide is designated in the present application as "PRO284".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO284 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO284 polypeptide having amino acid residues 1 to 285 of Figure 11 (SEQ ID NO:28), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In other aspects, the isolated nucleic acid comprises DNA encoding the PRO284 polypeptide having amino acid residues about 25 to 285 of Figure 11 (SEQ ID NO:28) or 1 or about 25 to X of Figure 11 (SEQ ID NO:28), where X is any amino acid from 71 to 80 of Figure 11 (SEQ ID NO:28), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA23318-1211 vector deposited on April 21, 1998 as ATCC 209787 which includes the nucleotide sequence encoding PRO284.

In another embodiment, the invention provides isolated PRO284 polypeptide. In particular, the invention provides isolated native sequence PRO284 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 285 of Figure 11 (SEQ ID NO:28). Additional embodiments of the present invention are directed to isolated PRO284 polypeptides comprising amino acids about 25 to 285 of Figure 11 (SEQ ID NO:28) or 1 or about 25 to X of Figure 11 (SEQ ID NO:28), where X is any amino acid from 71 to 80 of Figure 11 (SEQ ID NO:28). Optionally, the PRO284 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA23318-1211 vector deposited on April 21, 1998 as ATCC 209787.

In another embodiment, the invention provides an expressed sequence tag (EST) designated herein as DNA12982 which comprises the nucleotide sequence of SEQ ID NO:29.

In another embodiment, the invention provides an expressed sequence tag (EST) designated herein as DNA15886 which comprises the nucleotide sequence of SEQ ID NO:30.

5. PRO296

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to the sarcoma-amplified protein SAS, wherein the polypeptide is designated in the present application as "PRO296".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO296 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO296 polypeptide having amino acid residues 1 to 204 of Figure 15 (SEQ ID NO:36), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In other aspects, the isolated nucleic acid comprises DNA encoding the PRO296 polypeptide having amino acid residues about 35 to 204 of Figure 15 (SEQ ID NO:36) or amino acid 1 or about 35 to X of Figure 15 (SEQ ID NO:36), where X is any amino acid from 42 to 51 of Figure 15 (SEQ ID NO:36), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA39979-1213 vector deposited on April 21, 1998 as ATCC 209789 which includes the nucleotide sequence encoding PRO296.

In another embodiment, the invention provides isolated PRO296 polypeptide. In particular, the invention provides isolated native sequence PRO296 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 204 of Figure 15 (SEQ ID NO:36). Additional embodiments of the present invention are directed to PRO296 polypeptides comprising amino acids about 35 to 204 of Figure 15 (SEQ ID NO:36) or amino acid 1 or about 35 to X of Figure 15 (SEQ ID NO:36), where X is any amino acid from 42 to 51 of Figure 15 (SEQ ID NO:36). Optionally, the PRO296 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA39979-1213 vector deposited on April 21, 1998 as ATCC 209789.

In another embodiment, the invention provides an expressed sequence tag (EST) designated herein as DNA23020 comprising the nucleotide sequence of SEQ ID NO:37.

In another embodiment, the invention provides an expressed sequence tag (EST) designated herein as DNA21971 comprising the nucleotide sequence of SEQ ID NO:38.

In another embodiment, the invention provides an expressed sequence tag (EST) designated herein as DNA29037 comprising the nucleotide sequence of SEQ ID NO:39.

6. PRO329

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to a high affinity immunoglobulin F_c receptor, wherein the polypeptide is designated in the present application as "PRO329".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO329 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO329 polypeptide having amino acid residues 1 to 359 of Figure 20 (SEQ ID NO:45), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA40594-1233 vector deposited on February 5, 1998 as ATCC 209617 which includes the nucleotide sequence encoding PRO329.

In another embodiment, the invention provides isolated PRO329 polypeptide. In particular, the invention provides isolated native sequence PRO329 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 359 of Figure 20 (SEQ ID NO:45). Optionally, the PRO329 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA40594-1233 vector deposited on February 5, 1998 as ATCC 209617.

7. PRO362

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to A33 antigen and HCAR membrane-bound protein, wherein the polypeptide is designated in the present application as "PRO362".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO362 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO362 polypeptide having amino acid residues 1 to 321 of Figure 22 (SEQ ID NO:52), or is complementary to such

encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In another aspect, the isolated nucleic acid comprises DNA encoding the PRO362 polypeptide having amino acid residues 1 to X of Figure 22 (SEQ ID NO:52) where X is any amino acid from amino acid 271 to 280, or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA45416-1251 vector deposited on February 5, 1998 as ATCC 209620 which includes the nucleotide sequence encoding PRO362.

In another embodiment, the invention provides isolated PRO362 polypeptide. In particular, the invention provides isolated native sequence PRO362 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 321 of Figure 22 (SEQ ID NO:52). An additional embodiment of the present invention is directed to an isolated extracellular domain of a PRO362 polypeptide comprising amino acids 1 to X of the amino acid sequence shown in Figure 22 (SEQ ID NO:52), wherein X is any amino acid from amino acid 271 to 280. Optionally, the PRO362 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA45416-1251 vector deposited on February 5, 1998 as ATCC 209620.

8. PRO363

Applicants have identified a cDNA clone that encodes a novel polypeptide having homology to the cell surface receptor protein HCAR, wherein the polypeptide is designated in the present application as "PRO363".

In one embodiment, the invention provides an isolated nucleic acid molecule comprising DNA encoding a PRO363 polypeptide. In one aspect, the isolated nucleic acid comprises DNA encoding the PRO363 polypeptide having amino acid residues 1 to 373 of Figure 24 (SEQ ID NO:59), or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. In another aspect, the isolated nucleic acid comprises DNA encoding a PRO363 extracellular domain polypeptide having amino acid residues 1 to X of Figure 24 (SEQ ID NO:59) where X is any amino acid from amino acid 216 to amino acid 225, or is complementary to such encoding nucleic acid sequence, and remains stably bound to it under at least moderate, and optionally, under high stringency conditions. The isolated nucleic acid sequence may comprise the cDNA insert of the DNA45419-1252 vector deposited on February 5, 1998 as ATCC 209616 which includes the nucleotide sequence encoding PRO363.

In another embodiment, the invention provides isolated PRO363 polypeptide. In particular, the invention provides isolated native sequence PRO363 polypeptide, which in one embodiment, includes an amino acid sequence comprising residues 1 to 373 of Figure 24 (SEQ ID NO:59). An additional embodiment of the present invention is directed to an isolated extracellular domain of a PRO363 polypeptide, wherein that extracellular domain may comprise amino acids 1 to X of the sequence shown in Figure 24 (SEQ ID NO:59), where X is any amino acid from amino acid 216 to 225. Optionally, the PRO363 polypeptide is obtained or is obtainable by expressing the polypeptide encoded by the cDNA insert of the DNA45419-1252 vector deposited on February 5, 1998 as ATCC 209616.

9. PRO368